

Product Information

Ham's F-12, with L-Glutamine
Cat. No. HAM-12-A (500 ml)

Product Specifications

Appearance	Clear red orange solution
CO ₂ concentration, optimum	2.5%
Storage and shelf life	Store at +2°C to +8°C protected from light. Once opened, store at 4° C and use within 6-8 weeks.
Shipping conditions	Ambient

Formulation

Components	Concentration mg/L
Amino Acids:	
L-Alanine	9.00
L-Arginine HCl	211.00
L-Asparagine H ₂ O	15.01
L-Aspartic Acid	13.30
L-Cysteine HCl H ₂ O	35.00
L-Glutamine	146.00
Glycine	7.51
L-Glutamic Acid	14.70
L-Histidine HCl H ₂ O	20.96
L-Isoleucine	3.94
L-Leucine	13.10
L-Lysine HCl	36.50
L-Methionine	4.48
L-Phenylalanine	4.96
L-Proline	34.50
L-Serine	10.50
L-Threonine	11.90
L-Tryptophan	2.04
L-Tyrosine 2 Na 2 H ₂ O	7.78
L-Valine	11.70
Vitamins:	
D-Biotin	0.0073
Choline chloride	13.96
D-Calcium Pantothenate	0.48
Folic Acid	1.32
myo-Inositol	18.00
Nicotinamide	0.037

Components	Concentration mg/L
Pyridoxine HCl	0.062
Riboflavin	0.038
Thiamine HCl	0.34
Vitamin B12	1.36
Inorganic Salts:	
CaCl ₂ 2 H ₂ O	44.10
CuSO ₄ 5 H ₂ O	0.0025
FeSO ₄ 7 H ₂ O	0.834
MgCl ₂ 6 H ₂ O	123.00
KCl	224.00
NaHCO ₃	1176.00
NaCl	7599.00
Na ₂ HPO ₄ (anhydrous)	142.04
ZnSO ₄ 7 H ₂ O	0.863
Other Components:	
D-Glucose	1802.00
Hypoxanthine	4.08
Linoleic Acid	0.084
Lipoic Acid	0.21
Phenol Red Sodium Salt	1.3
Putrescine 2 HCl	0.151
Sodium Pyruvate	110.00
Thymidine	0.70

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Precautions and Disclaimer

This product is for research and further manufacturing use only.

Help Needed?

If you have any further questions regarding this product, please do not hesitate to contact our cell culture experts by email (techservice@capricorn-scientific.com) or phone (+49 6424 944640).